

US EPA ARCHIVE DOCUMENT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

MEMORANDUM

DATE: 7/1/99

SUBJECT: ID#s: 0F3380 and 4E4419
Review of Storage Stability Studies of Avermectins in Strawberries and Dried Hops

DP Barcode:	D254597 (Strawberries)	PRAT Case:	281433
	D254598 (Dried Hops)		285997
Submission No.:	S561270 (Strawberries)	Caswell #:	063AB
	S561262 (Dried Hops)		
Chemical No.:	122804	Class:	Insecticide
Trade Name:	Agri-Mek 0.15 EC	EPA Reg No.:	618-98
40 CFR:	§180.449		
MRID Numbers:	447085-02 (Strawberries)		447085-01 (Dried Hops)

TO: T. Harris/T. Levine, PM Team 04
MUIERB/RD (7505C)

FROM: Douglas Dotson, Chemist
RAB2/HED (7509C)

THROUGH: M. Doherty, Peer Reviewer
Richard A. Loranger, Branch Senior Scientist
RAB2/HED (7509C)

INTRODUCTION

Summary/Background:

The registrant, Novartis Crop Protection, Inc. submitted two storage stability studies for the avermectins (i.e., avermectin B1a, avermectin B1b, and the delta isomer of avermectin B1a: 8,9-Z avermectin B1a). These studies were performed on strawberries and dried hops.

D254597.mew

Conclusions/Recommendations:

RAB2 concludes that it is not necessary to review the submitted storage stability studies. Storage stability studies have been submitted for five other crops. HED has determined that these studies are sufficient to satisfy the storage stability data requirements for hops and strawberries.

Detailed Considerations:

Hops (MRID Number 447085-01):

In his memo of 3/5/96, W. Wassell (PP#5E4556) concluded that storage stability data requirements for the avermectins in/on the raw agricultural commodity hops were satisfied. Data reflecting the stability of the avermectins in or on five crops during frozen storage had been submitted previously. Residues were stable in pears for one year (Memo, J. Stokes, PP#9F3787, 7/9/91); celery for two years (Memo, S. Willett, PP#8F3649, 5/4/90); oranges, lemons, and grapefruits for one year (Memo, V. F. Boyd, PP#8F3592, 6/21/89); tomatoes for six months (Memo, S. Willett, PP#9F3703, 12/15/89); and cottonseed (parent compound only) for 14 months (C. Deyrup, PP#7F3500, 7/29/87). In a memo dated 6/17/96, W. Wassell stated that all outstanding data deficiencies for a permanent registration of hops had been resolved.

Strawberries: (MRID Number 447085-02):

A permanent tolerance has been granted for strawberries (PP#0F3880). Storage stability data were submitted; however, shipment/arrival and analysis dates were not provided. Storage stability data for pears were translated to strawberries. The registrant submitted the requested information on strawberries, and the deficiency was resolved (Memo, J. Stokes, PP#0F3880, 6/14/93). In addition to the strawberry data, the registrant has submitted data for the five additional crops listed above.

Future Submissions:

If the registrant proposes tolerances for crops which are dissimilar to those listed above, additional storage stability data may be required. This is particularly true if registration requests for a nonoily grain or a root crop are submitted because no storage stability studies have been performed on these types of crops.

cc: D. Dotson, RAB2 reading file